

AMENDMENTS TO THE SPECIFICATION

Please amend Table 2 beginning on page 18 as follows:

Table 2: Polymorphism found in 3' untranslated region of mu-opioid receptor gene and linkage disequilibrium

TAA+	reported	major allele	minor allele	LD	TAA+	reported	major allele	minor allele	LD
886	A	G	A	*	8386	A(13)	A(16)	A(13)	*
1360	T	T	C		9000	C	C	T	
1371	T	T	C	*	9564	A	G		
1670	A	G	A	*	9669	G	A	G	*
1709	G	G	A		9716	T	T	A	
[[2007]] 2008	C	C	T	*	9839	T	G	T	*
[[2026]] 2025	G	G	A		9994	C	A	C	*
2109	A	A	G	*	10083	C	C	A	
2274	A	A	G		10223	A(4)	A(3)	A(4)	*
2287	G	A	G	*	10247	A	T	A	*
2395	G	G	C	(*)	10535	A	G		
2458	G	G	C		10704	G	G	A	
2482	T	T	C		10752	T	G	T	*
2497	G	G	A		11100	C	T		
2656	G	G	T	*	11129	C	A	C	*
2714	C	A			11132	CA(17)	CA(17)	CA(14)	*
2820	G	G	T	*	11133	A	A	G	
2907	G	G	T		11368	TCTC	-	TCTC	*
3423	T	C			11411	T	T	C	
4026	A	G			11431	T	C	T	*
4585	A(6)	A(5)	A(6)		11448	-	TTTC	-	*
4861	A	A	C		11541	G	G	A	*
5359	A	A	G		11602	A	C	A	*
6074	A	A	C		11650	C	T		
6866	T	T	G	*	11918	C	C	T	*
6922	C	G	C	*	11956	A	C		
7075-7396	322 bp	-			12143	A	A	G	*
7427	C	C	T	*	12630	A	G		
7483	A	-			12681	T	T	C	*
7536	T	C	T	*	12831	T	C		
7589	A	G	G	*	12834	G	C		
8116	C	T	C	*	13236	T(15)	T(14)	T(15)	
8165	C	T	T		13971	G	T		
8281	G	A	A						

Table 4

MSW/LTP/cjw

MSW/LTP/cjw

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Please amend Table 6 beginning on page 29 as follows:

Table 6: Linkage disequilibrium among mu-opioid receptor gene polymorphisms in normal subjects

D'										
Locus	A118G	IVS2 +G691C	IVS3 +G5807A	IVS3 +G5953A	IVS3 +A6151G	IVS3 +A8449G	IVS3 +C8497T	TAA +A2109G	TAA +A2274G	TAA +G2287A
A118G		<u>0.795</u>	<u>0.704</u>	0.626	<u>0.866</u>	<u>0.884</u>	0.633	<u>0.875</u>	0.458	<u>0.890</u>
IVS2 +G691C	0.125		<u>1.000</u>	<u>0.714</u>	<u>0.746</u>	<u>0.795</u>	<u>0.775</u>	<u>0.772</u>	0.672	<u>0.795</u>
IVS3 +G5807A	0.453	0.134		<u>0.921</u>	<u>0.849</u>	<u>0.883</u>	<u>0.895</u>	<u>0.868</u>	0.535	<u>0.883</u>
IVS3 +G5953A	0.052	0.341	0.102		0.023	0.009	<u>1.000</u>	0.034	<u>0.742</u>	0.009
IVS3 +A6151G	0.054	0.201	0.047	0.000		<u>1.000</u> 1.000	<u>1.000</u>	1.000	<u>1.000</u>	1.000
IVS3 +A8449G	0.069	0.284	0.063	0.000	<u>0.001</u> 0.800		<u>1.000</u>	1.000	<u>1.000</u>	0.967
IVS3 +C8497T	0.159	0.062	0.291	0.069	0.037	0.046		<u>1.000</u>	<u>0.763</u>	<u>1.000</u>
TAA +A2109G	0.061	0.241	0.055	0.001	0.892	0.901	0.042		<u>1.000</u>	1.000
TAA +A2274G	0.024	0.266	0.030	0.484	0.011	0.014	0.035	0.014		<u>1.000</u>
TAA +G2287A	0.070	0.284	0.063	0.000	0.800	0.934	0.046	0.989	0.014	